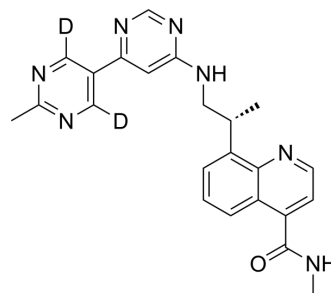


(R)-VX-984

Cat. No.:	HY-19939S2		
CAS No.:	2448475-19-0		
Molecular Formula:	C ₂₃ H ₂₁ D ₂ N ₇ O		
Molecular Weight:	415.49		
Target:	DNA-PK		
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 11.36 mg/mL (27.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4068 mL	12.0340 mL	24.0680 mL
	5 mM	0.4814 mL	2.4068 mL	4.8136 mL
	10 mM	0.2407 mL	1.2034 mL	2.4068 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.14 mg/mL (2.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.14 mg/mL (2.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.14 mg/mL (2.74 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-VX-984 is the (R)-enantiomer of VX-984. VX-984 is a potent DNA-PK inhibitor.

Caution: Product has not been fully validated for medical applications. For research use only.

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